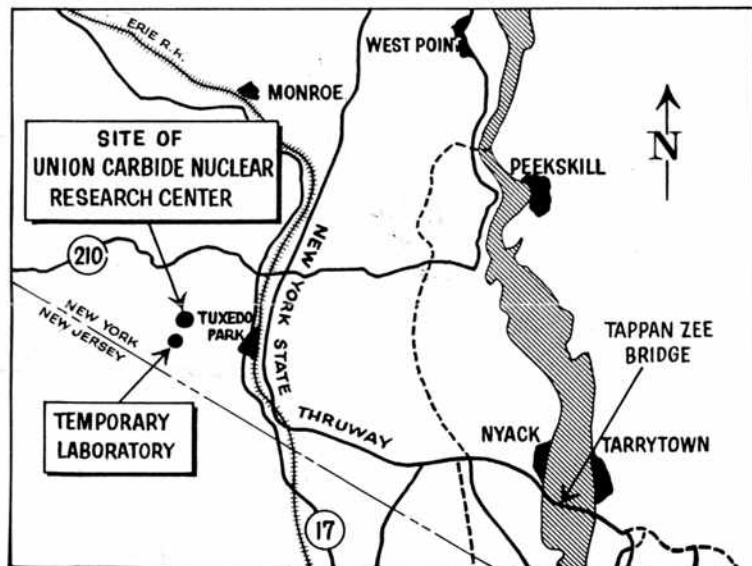


AN ARCHITECT'S CONCEPTION of the Union Carbide Nuclear Company research center near Tuxedo Park, N. Y., is shown above. In the top row of buildings will be a nuclear reactor and radioactive materials laboratory. A power and utility building and an engineering and ores laboratory are in the second row and at the bottom is the research and administration building.



THIS MAP SHOWS THE LOCATION of the new UCNC reactor and research center at Tuxedo Park, N. Y., about 40 miles northwest of New York City.

Reactor Feature Of Union Carbide Research Center

UCNC, Ore Company
Will Operate Project
Near New York City

Plans for construction of a nuclear research center approximately 40 miles from New York City to be a focal point for all nuclear research activities of Union Carbide and Carbon Corporation were announced last week by Morse G. Dial, President of Union Carbide. The center will be operated jointly by Union Carbide Nuclear Company and the Union Carbide Ore Company, both Divisions of Union Carbide. It will cost between \$6,000,000 and \$8,000,000.

Scientific Center Planned

The location of the new nuclear research center is in the Sterling Forest region in the southern part of Orange County, N. Y., near Tuxedo Park, west of the Hudson River. The Union Carbide project is the first to be announced in a large scientific center in which other large industrial and research firms are expected to establish facilities.

The major facilities of the Union Carbide center will include a five megawatt pool-type nuclear reactor, a radioactive materials laboratory, an ores and engineering laboratory, a building for allied research operations and administrative functions. A central power and utility building will provide air conditioning and heat for all buildings.

Completion Probable In 1958

Completion of the Union Carbide project is scheduled for late in 1958 or early in 1959.

The research programs to be conducted in the new UCC center will be geared to the study of radiation on products and processes involving plastics, gases, metals, carbons and chemicals. Many of these programs will make use of the reactor, which is especially designed for such use.

The reactor is a modified version of the bulk shielding testing facility pioneered by the Oak Ridge National Laboratory. Smaller reactors of this type have been installed on several university campuses throughout the country. The exhibit reactor displayed at the International Atoms For Peace Conference in Geneva, Switzerland, in 1955, also was based on this design concept.

AEC Permit Is Requested

The Union Carbide reactor will be built by AMF Atomics, Inc., a subsidiary of the American Machine and Foundry Company. A formal request for a construction permit has been submitted to the Atomic Energy Commission for approval.

A sealed concrete building will house the reactor. Approximately two-thirds of this building will be carved out of the solid granite mountain that slopes up behind the site.

Adjoining the reactor will be the radioactive materials laboratory. This building will be 138 feet long and 57 feet wide and will contain five cells. This will enable the research staff to perform high-level experiments with radioactive materials by remote control and in complete safety.

The ores and engineering build-
Continued on Page 4

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
43 Days Or
1,359,326 Man-Hours
(Unofficial Estimate)
Without A Disabling
Injury
Through February 24

Phone 7755

For Daily Report
On Accident-Free Hours

New CD Warning Plan Effective On March 1

Test Scheduled Friday
Of New Siren Timing

Y-12ers and members of their families living in and near Oak Ridge are reminded that a change in the civil defense public warning signals for the city will become effective on Friday of this week, March 1. The reminder comes through W. H. Brittain, civil defense coordinator for Oak Ridge, who announced last week that the change will be made to conform with a system of public warning systems prescribed by the Federal Civil Defense Administration.

The new signal system in Oak Ridge will be tested at 3 o'clock Friday afternoon when the 25 alarm sirens in the city will be sounded under the new plan. A new timer has been installed to govern the sirens and new warnings will consist of the following signals:

Alert signal—a steady blast of five minutes duration.

Take cover—a wailing tone of three minutes duration.

The all clear signal has been eliminated in Oak Ridge under the new plan.

The five minute alert signal will replace the wailing sound previously used to indicate evacuation of the area. The alert and take cover signals may be given in any order, depending on the seriousness of the emergency requiring the signals.

Outside of the Friday test, no other tests are scheduled for the sirens, although individual sirens may be tested from time to time to insure proper operation. Any city-wide signal test will be announced in advance.

H. T. Ross Is Vice-President Of Linde Air Products Co.

H. T. Ross has been named Vice-President — Engineering, Linde Air Products Company, a Division of Union Carbide and Carbon Corporation, according to E. B. Suydam, President of this Division.

Ross joined Union Carbide in 1928 as a junior engineer at the Linde laboratory in Buffalo, N.Y. He progressed through the Linde organization occupying various positions at different locations including Trafford and Pittsburgh, Pa.; Chicago, Ill.; and New York, N. Y. He became Manager of Engineering for the Company in 1955. He was born in Van Wert, Ohio. He received the degree of B.S. from the University of Michigan in 1928.

Safety Awards Distribution Set For March 6, 7

17th UCC Period Is
Recognized; Nearly
6,000 To Get Articles

Nearly 6,000 Union Carbide Nuclear Company employees in the Y-12 Plant Area will receive their individual safety awards for participation in the 17th Union Carbide Safety Period on next Wednesday and Thursday, March 6 and 7. Meanwhile, plans for selection of awards for the 18th UCC Safety Period will be announced in the near future—and the Y-12 Plant Area is nearing still another UCC Safety Period, which may be reached about March 1.

Places And Time Given

Delivery of the 17th Period individual safety awards will be made at the East, North, Central, West and Bear Creek Portals from 7 a.m. to 8 a.m. and from 2:30 p.m. to 5 p.m. There will be no delivery at the Biology Portal, but awards will be available for UCNC employees working in Bldg. 9207 through C. P. McWright on Thursday, March 7.

A total of 5,911 articles have been purchased for delivery to UCNC employees in the Y-12 Plant Area for their part in establishing the 17th UCC Safety Period. A Pyrex refrigerator set led the selections with 1,509 of them being chosen. Following in popularity and to be distributed are a manicure set, adjustable wrench set, four-piece cannister set, chisel set, dish drainer, hand drill, kerosene lantern, outdoor thermometer, hand warmer and automobile visor carryall.

Must Pick Up In 30 Days

All employees should call for their individual safety awards at the portal designated on the selection card when it was filled out. Employees who do not receive their awards next Wednesday and Thursday may pick them up later at the Safety Department, Bldg. 9704-2. However, the awards must be called for within 30 days after the distribution dates.

Establishment of the 17th UCC Safety Period in the Y-12 Plant Area ended a period of several months of plant operations marred by a number of disabling accidents. The 17th Period started on August 15 and extended through October 22, 1956, when a total of 2,815,455 man-hours of work were performed without a disabling injury.

18th Period Quickly Started

A continuance of the safety consciousness of UCNC employees was demonstrated with the prompt establishment of the 18th Safety Period shortly after the completion of the 17th Period. The 18th Period started on October 30, 1956, and continued through January 10, 1957. There were 2,239,139 hours of plant operations without a disabling injury during this time.

Now the 19th UCC Safety Period of more than 1,500,000 man-hours of operations without a lost time accident since Union Carbide took over Y-12 operations in 1947 is on the verge of completion. Through last Sunday, February 24, a period of 43 days involving 1,359,326 accident-free hours of plant operations had been posted.

AIEE To Hear Talk On Control Systems

Round-Table Meeting
Scheduled February 28

A technical discussion of various types of control systems will be held at a meeting of the Oak Ridge Section of the American Institute of Electrical Engineers set for 7:30 o'clock tomorrow night, Thursday, February 28, in the Blue Room of the Ridge Recreation Hall. All Y-12 members of the group are urged to attend the meeting.

The discussion will be conducted by representatives of the Microsen Division of the Manning, Maxwell and Moore Co. Numerous applications of pneumatic, electric, direct and alternating current control schemes will be considered. It is planned that the meeting will be of the round-table type with audience participation with general and specific problems being aired.

The AIEE section now is conducting a membership campaign and eligible Y-12ers living or working in Anderson or Roane Counties are asked to communicate with the membership committeeman in Y-12, C. E. Murphy, plant telephone 7592.

POPULAR PORK DISHES ON SPECIAL LUNCHES

Popular pork dishes will be offered as entrees on the 50-cent Special Lunches to be served at the Y-12 Cafeteria tomorrow, Thursday, February 28, and next Tuesday, March 5. Diced ham with noodles will be the main dish on the Special Lunch tomorrow. On next Tuesday barbecued pork on toasted buns will be served. Each Special Lunch also includes one vegetable, choice of salad or dessert and rolls and butter.

Amvets National Commander To Visit Ridge On Tuesday

Carl G. Brewster, of the Y-12 Medical Department and finance officer for the Department of Tennessee Amvets, will head a group of Amvets to meet National Commander Dominic Strada on arrival in Oak Ridge next Tuesday, March 5. The local Amvets, including many Y-12ers members of the organization, will conduct the national commander on a tour to Oak Ridge National Laboratory and past the Y-12 and K-25 Plants that afternoon. He will be guest of honor at a banquet Tuesday at the Ridge Amvets home before leaving for an official visit to Nashville.

The Bulletin

Published Weekly By And For
Y-12 Employees Of
UNION CARBIDE
NUCLEAR COMPANY
A Division Of
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Corporation

GEORGE W. DOBBS . . . Editor

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Oak Ridge, Tenn.
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Telephone 7751

Y-12ers Are Invited To Enter Hobby Show March 30

Have any Y-12ers a hobby which they would like to share with others? They will have a chance to do so on Saturday, March 30, when the Oak Ridge Recreation Department holds the Sixth Annual Hobby Show at Ridge Recreation Hall. The hobby show is for all Oak Ridgers and job-connected persons.

Wide Field Of Suggestions

The suggested entry lists include handicrafts, collections, models, graphic arts, and mechanical and technical activities. These activities by no means include all hobbies, so if yours doesn't fit, and you want to enter, don't hesitate.

The purpose of the hobby show is to provide an opportunity for individuals or groups to share their hobbies with others. There is no competitive judging of one entry against another. Entries will be judged on a merit basis and will be awarded blue, red or white ribbons according to the merit of the entry.

Where To Get Entry Blanks

This year's show promises to be the best in the history of the event. Even before plans and dates were announced the Recreation Department had already received two entries and several inquiries. Entry blanks are available at Ridge Hall, the Recreation Department, 115 City Administration Building, and at the Y-12 Recreation Office, Room 226, Bldg. 9704-2. If any Y-12er desiring to enter can't drop by to pick up an entry blank, please call the Recreation Department at 5-3521, Extension 70, and an entry blank will be mailed.

If any Y-12er has no hobby but desires one, drop by Ridge Hall Saturday, March 30, between 11 a.m. and 9 p.m. They may find just the hobby which will help fill those empty leisure time hours.



Get well wishes are extended to the following Y-12 employees who were patients last week in the Oak Ridge Hospital:

James Fry, Guard; Grady L. O'Kain and Paul E. Shepard, Buildings and Grounds; William L. Fairbanks, A Mechanical Operations; Martha K. Nelson, Production Analysis; Charles E. Gillihan, SS Control; Ray H. Buchanan, Mechanical; William L. Coggin, Salvage; James R. Chambers, Medical; G. W. Allen, Mechanical Engineering; Kathleen Moore, Security; Daniel H. Rader, Superintendents; H. C. McBerney, Mechanical Operations Division; R. W. Jenkins, Research Services.

10 Years Service

Congratulations to Woodrow W. Cook who will complete 10 years of Company Service on March 4.

Monstrous Month Of Unpredictable March Features Lambs, Lions, Spring, St. Patrick

The monstrous month of unpredictable March is scheduled to arrive Friday—either lamblike or lionlike, according to legend, and exiting vice versa, the same legend says. It is a month containing several days widely celebrated and awaited and entire weeks to be observed for one reason or another. Then there are a lot of historical dates to remember.



Here's a brief rundown on important goings on slated for March.



With news from Florida being spotted with diamond doings recently and "play ball" to sound before one can wheedle a sports editor for "just two passes for the opening game" it seems appropriate to dump this clipped cutie right in the laps of you readers.

"I must confess I don't understand women," hubby complained. "Why do you go to the movies and cry over the misfortune of people you don't even know?"

"For exactly the same reason," snapped the missus, "that you men stand up and cheer yourselves hoarse for a man you've never met when he slides into third base."

With that one caught napping—the Colyum Conductor will slide off along the line and see what's goin' on—

TECHNICAL

One of the finest of the many fine ladies in Y-12, Nelle Cromer, of Mechanical Inspection, is leaving after many years of service around these parts. She resigned last Friday and started on a new job Monday at Marietta, Ohio, with the Electro Metallurgical Company,

another Union Carbide outfit. The departure was made to permit Mrs. Cromer to be with her husband, Millard J. Cromer, a United States Department of Labor representative in Parkersburg, W. Va., right across the river from Marietta. They haven't decided what city they will pick for permanent residence yet. Charming Nelle is going to be missed by a lot of sincere friends . . . Barbara Henley has transferred from Project Engineering to replace Mrs. Cromer, and was warmly welcomed to the post last week.

All work and no play helped a venomous virus take both Jim Warner and Chet Borge away from the Special Projects mines for a few days.

Harvey Saylor and family, Development Operations, are enjoying a three-week jaunt in Arizona and Colorado, during which they will visit his son and daughter and her husband . . . Roger Cloyd and family are taking in the high jinks of the Mardi Gras in New Orleans this week.

Irene Jenkins, Production Analysis, was an Asheville, N. C., visitor over the past week end . . . Eva Garrison weekendend in Bowling Green, Ky. . . Daisy Ward, and her husband, Roy, who works at K-25, had a very special guest last week end—none other than their grandson, from Asheville, N. C. . . The department is glad to hear that the mother of Margaret Holley, Mrs. Pone Holley, is at home after a stay in a hospital.

D Shift of Production Assay reports Virginia Giles has her daughter home from hospitalization . . . The group is making big plans for a bingo party at the Oak Terrace during their days of leisure . . . C Shift welcomes Tanya.

Ditche back after an illness . . . Peggy Crabtree is vacationing at home this week . . . Sammie Mattingly spent a few days with kin folks in Kingsport, Tenn., recently.

LaVaughn Heath, Special Testing, and her husband, Harold, a teacher at Rockwood High School, attended a meeting of the Tennessee Junior Chamber of Commerce board of directors at Memphis last week end.

Arthur "Shorty" Rogers, the big little man in Laboratory Operations, planned a vacation trip to Atlanta . . . Frances Carden is busy these days getting settled in her new apartment in Clinton . . . Jim Parham and family spent a recent week end over at Smyrna—that's near Nashville . . . Nell Miller enjoyed a recent visit from her mother-in-law from McKenzie, Tenn.

Condolences are extended A. E. Parson, whose brother died recently.

MECHANICAL OPERATIONS

The Mechanical Operations Division reports John B. Gooch is the Proud Pop of a six-pound, 15-ounce boy born February 13 at Chambers Memorial Hospital, Rockwood . . . F. W. Rutherford was warmly welcomed back on the job after four weeks of illness . . . R. W. Hagood is back from a week in Florida and spent all last week talking about those fine warm days down thataway.

W. R. Templin is vacationing this week, but didn't say where. . . . Condolences are extended A. E. Parson, whose brother died recently.

L. N. Moncier, B Mechanical Operations, is not a baseball umpire but calling 'em as he saw 'em—as a juror—has returned to work after his service to the people . . . D. N. Bishop is spending his vacation on his farm in Missouri.

B. J. Hill took his to get acquainted with a new daughter . . . B. W. Houchin is back and resting after a vacation in Arkansas.

New member of the Proud Pop's Club is J. M. Hodge—no further particulars . . . Get well wishes go to R. H. Sanford, J. L. Waddell, J. J. Campbell and L. W. Nance . . . John Neeley and his wife entertained the Gospel Singers of Y-12 on a recent Saturday night at their home in Powell—present included Mr. and Mrs. Jessie Lewis, Mr. and Mrs. Fred Spradlin, J. P. Hunt, Ernie Collins and Bud Wilson.

The aforesaid Ernie Collins, an F Mechanical Operations chap, is reported from those quarters as teaming up with J. V. and Bob Morrell and Bill Rolston, B Mechanical Operations, in a quartet to be known as the Humble Hearts . . . Folks in the department are glad that the daughter of W. W. Roper is recovering from an illness . . . The same thoughts go out to C. H. Edwards on the improving health of his mother . . . J. S. Moss is welcomed back after a sickness and get well wishes are sent to ailing Fred Campbell . . . J Shift welcomes newcomer W. C. Morgan to its midst.

The General Machine Shop extends deepest sympathy to J. A. McKenney, who was called to Quitman, Miss., last week to attend the funeral of his brother . . .

Continued on Page 4

March 1, 1913—A federal constitutional amendment having been ratified by the required number of states, federal income taxes went into effect. (Year by year, they have been getting higher and higher.)

March 6, 1836—After Texas had declared its independence from Mexico, a punitive expedition led by Mexican Santa Ana wiped out the Alamo garrison of 166. (That was where Davy Crockett and a bunch of Tennesseans met their doom and but for their heroic sacrifice that aroused all Texas and the rest of the United States the Lone Star State right now might be talking Spanish.)

March 7, 1945—The U.S. First Army 9th Armored Corps crossed the Rhine at Remagen into Germany, led by Gen. Omar Bradel. (That was the beginning of the real end for the Nazis.)

March 11 to 14, 1888—A great blizzard in the East buried New York City under 12 feet of snow with the loss of 235 lives. (The way New York digs up its streets, one might think they are still searching for some of the bodies.)

March 17, every year—Begorrah, 'tis St. Patrick's Day—and if anyone forgets it the Irish will be sure to remind them.

March 21, every year—Spring is due—but don't hold your breath.

March 30, 1858—Patent was issued to a Philadelphia man for a pencil with a rubber eraser attached. (Huh, a lot of good that did—folks have been making mistakes right on ever since just like they did before.)

Here are some of the special "weeks" of the month. National Smile Week and National Peanut Week both are observed March 3-9. March 8 is designated as World Day of Prayer. March 10-16 is Girl Scout Week.

The flower of the month is the beautiful little yellow jonquil—honored so probably because of its bravery for sticking its head out in such dangerous weather. The aquamarine is the birthstone of March.

Funeral Held February 19 For Y-12er Heart Victim

As fellow employees in the A Mechanical Operations Department and friends elsewhere in the Y-12 Plant extended sympathy to members of the family, funeral services for Holland P. Dake, 53, were held Tuesday, February 19. After several weeks in Oak Ridge Hospital the former Y-12er left there Sunday morning to return to his home at Heiskell, but was stricken at 1 o'clock that afternoon and rushed back to the hospital and was believed to have died en route. Death was attributed to a heart attack.

Mr. Dake was employed in Y-12 by Tennessee Eastman Corporation but left in a reduction in force in 1946. He was rehired on September 18, 1953. He is survived by his widow, Mrs. Zelma Dake; a daughter, Alma Leah; two sons, Mono and William; and two brothers, William and Vernon, of Knoxville.

Last rites were conducted at the Heiskell Methodist Church and interment was in Fairview Cemetery, off Norris Freeway.

Y-12ers Invited To Attend Physics Seminar On Friday

Y-12 technical and scientific personnel are invited to attend the Oak Ridge Physics Seminar session on Friday afternoon of this week to hear a talk by Jesse E. Sherwood, of the Oak Ridge National Laboratory. The meeting will be at 3:15 p.m. in the auditorium of the ORNL Bldg. 4500. Sherwood's topic will be "The Atomic Beam Magnetic Resonance Technique."



A/3c Dolores Jean Thomas

Daughter Of Y-12er Serving As Hostess On MATS Transport

After just a little more than one year of service as a member of the Women's Air Force (WAFs), an attractive daughter of a Y-12er has advanced rapidly and now is a hostess on a C-97 transport airplane of the Military Air Transport Service with frequent assignments on foreign duty. The WAF is A/3c Dolores Jean Thomas and the proud Y-12 father is B. M. Thomas, of the Process Maintenance Department of the Maintenance Division.

Jean Thomas is no stranger to Oak Ridge, as she lived with her parents at 104 Howard Lane from January 4, 1954, when her father came to work in Y-12, to January 16, 1956, when she enlisted in the Air Force. During that time Miss Thomas was employed by an Oak Ridge dress shop and made many friends during her brief residence. Her last visit to Oak Ridge was made last October, when she obtained leave to visit her father, who was ill in Oak Ridge Hospital at the time.

After enlisting in the WAF the Y-12er's daughter received her basic training at Lackland Air Force Base in Texas, where many Oak Ridgers and sons of other Y-12ers were indoctrinated into the Air Force, and also at Keesler Field at Biloxi, Miss. After becoming a full-fledged WAF she was stationed at Travis Air Force Base in California, from where the MATS planes take off for many foreign as well as domestic flights.

As hostess on the giant C-97 transport, assigned to carrying many high ranking personalities in the government, she has been making weekly trips to Hawaii and also has flown to Tokyo, Japan, in line of duty.

According to her Y-12 father, Miss Thomas has just completed a training course in her work at Palm Beach and now has returned to her post at Travis AFB.

Miss Thomas attended Louisiana Institute of Technology at Ruston, La., where her parents lived, before coming to Oak Ridge.

Slow up at sundown—and before sunrise.



"It's his anniversary—been with the company a year today."

ALL-CARBIDE PIN TOURNNEY SET APRIL 6, 7, 13, 14

March 22 Deadline To Enter Big Event

Many Top Y-12 Keglers Expected To Compete

THE date of all in importance for all bowlers in the three Oak Ridge plants of Union Carbide Nuclear Company—the All-Carbide Bowling Tournament—will be the week ends of April 6 and 7 and April 13 and 14 when the annual timber toppling event will be held at the Oak Terrace alleys. The entry lists for the tournament will close at 4 o'clock Friday afternoon, March 22, and it is expected that a large majority of top Y-12 bowlers will compete in the tournament seeking some of the cash awards and trophies to be awarded winners in various events.

'One-Shot' Teams Barred

Rules adopted for the All-Carbide event provide that only bowlers employed by the Y-12 and K-25 Plants and the Oak Ridge National Laboratory who have bowled a minimum of 12 games in regular plant leagues play in any of the three UCNC units in Oak Ridge by March 1 shall be eligible to participate in the tournament. The regulations further provide that where any team is unable to enter because of the inability to roll with five regular members, that team may use two bowlers from any other team in a plant league at that particular installation. Three UCNC keggers bowling with City League teams may roll with a tournament team provided only two of them have more than a 165 average.

These rules will prevent any group of bowlers to form "one shot" teams with exceptional players for one tournament appearance.

Entry Fee \$2 Per Person

The entry fee for the tournament will be \$2 per person per event and must accompany the entry blanks. Of this amount, \$1 will be the entry fee and \$1 for the bowling fee. The entire entry fee will be returned in cash awards for the various events and will be distributed according to American Bowling Congress requirements. The tournament is an ABC sanctioned event and ABC rules will govern the play.

Competition will be staged in singles, doubles and team events for both men and women. As a concession to Y-12, which has no women's league, feminine members of the Y-12 Mixed League teams may form a team to compete in the tournament if they so desire.

Trophies are to be awarded first place winners in both scratch and handicap scores. All cash awards will be made to handicap winners only.

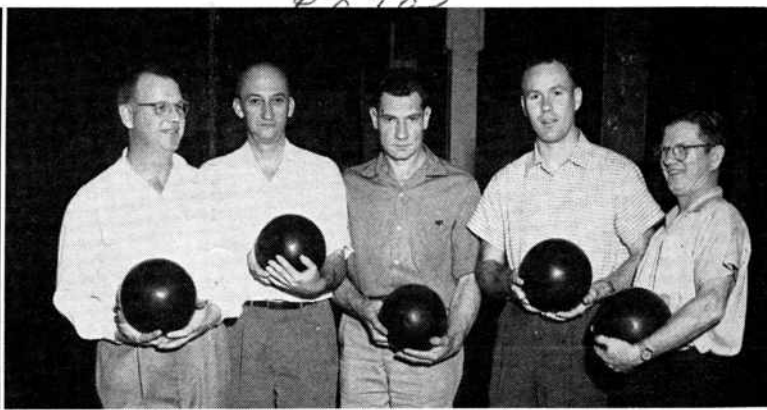
Handicaps for the tournament will be based on the highest averages in any plant league in which an entrant bowls as of March 1. The averages must be certified by league secretaries.

Entry blanks for all Y-12 bowlers now are in the hands of all Y-12 bowling leagues secretaries and the entries should be channeled through the secretaries to the Y-12 Recreation Department. However, if necessary, blanks may be obtained from the Recreation Department, Room 226, Bldg. 9704-2. If further information on the tournament is required, it may be obtained by a telephone call to the Recreation Office, plant phone 7751.

The tournament program provides for team competition to be staged Saturday and Sunday, April 6 and 7, with doubles and singles being staged Friday and Saturday, April 13 and 14. In drawing up the schedule after all entries have been received, preference will be given to bowlers working on shifts.



EVENING SHIFT BOWLING LEAGUE teams make their pictorial debut in The Bulletin this week. At left are the Sure Shots, from left being L. L. Spears, S. L. Gallman, J. D. Meadows, E. L. Reed and Team Capt.



J. S. Steward. The Gutter Ballers are at right, bowlers being A. J. Blay, E. C. Hightower, J. Massengill, W. A. Sahr and H. Meadows. Sahr is captain of the team.

Y-12 Bowlers Lead In Memphis Tourney

Len Hart, three-times Y-12 Plant bowling champion and also Oak Ridge city titlist on the alleys, made a big splash in the Southern Sweepstakes Bowling Tournament in Memphis last week end. His four game scratch score of 213, 256.204 and 208 to make a total of 881, plus a handicap of 17 for a handicap total of 949 gave him a lead of 101 pins over his nearest competitor with 848. The tournament has two more week ends to go and Memphis bowling authorities say some superlative bowling will be needed for anyone to overtake the Y-12er. A victory for Hart will bring him a cash award of from \$750 to \$1,000.

In the doubles competition, Roy Roberts and Clyde Smith, both Y-12ers, had the lead in doubles with a handicap score of 1248. Hart and Bennett, another Y-12 team, were in second place with 1195. If the Roberts and Smith score stands up they may win around \$300.

Elmore Koons, another Y-12er, made headlines by knocking over a "Big Four" split of the 4, 6, 7, 10 pins to win an American Bowling Congress patch.

WORKERS MORE PRODUCTIVE

To produce today's standard of living in the United States the work skills and tools of 1857 would require an army of 650,000,000 persons. Modern technology makes the 1957 worker about eight times as productive as those of 100 years ago.

All-Carbide Basketball Tournament Off; Y-12 Championship Game Still Not Set

Plans for an All-Carbide basketball tournament with teams from plant leagues of Y-12, K-25 and the Oak Ridge National Laboratory were dropped last week. Recreation Supervisors of the three Union Carbide Nuclear Company installations in Oak Ridge determined that there were so many teams composed of employees on various shift work scheduled that such a tournament would require at least three weeks to complete and extend the basketball schedule into the spring sports season.

Meanwhile there can be nothing new to report on the Y-12 basketball championship situation until after a playoff game for the first half of the season crown that was scheduled for Tuesday of this week, February 26. In this clash, the Wildcats and Bombers will meet in a tilt originally set for last Thursday, but not played because teams could not appear at full strength. The winner of this engagement will meet the Wizards, second half champions, with the date to be announced later.

Clear vision—no collision.



Q Balls Take Fourth In C Loop Standings

The only change in the C Bowling League standings last week saw the Q Balls jump from sixth to fourth place by routing the Rusty Five for three points. Murderer's Row boosted its loop lead by one point by drubbing the Deltas by the same margin as the Hornets and Engineers broke even. The Sooners kept pace with a three-point win over the Engineers.

The Hornets' Haggard had the best game scores of 213 scratch and 252 handicap. Morgan, Murderer's Row, rolled a 526 scratch and 667 handicap series for tops. The Sooners and Hornets split up team scoring honors, the former having an 864 scratch game and tying with the Hornets at 1047 handicap game. The Hornets took series honors with 2346 scratch and 2928 handicap.

League standing follows:

Team	W	L
Murderer's Row	25	11
Hornets	21	15
Sooners	20	16
Q Balls	19	17
Deltas	18	18
Rusty Five	17	19
Engineers	14	22
Cards	10	26

Playboys Repeat Whitewash Win

The Playboys showed they are not just playing in the final round of the Classic Bowling League of Y-12 keggers last week when they took their second straight whitewash win, the victims this time being the Cubs. Similar wins were turned in by the Swingsters over the Wolves and Screwballs over the Tigers. Three-point wins were picked up by the Bumpers over the Rebels, Rippers over the Has Beens and Wasps over the All Stars as all of the first division teams posted triumphs.

The Rippers swept all scoring honors as a team, being led by Len Hart, who performed a similar feat in individual scoring. Hart had a 248 scratch game boosted to 259 with handicap; a fine 658 scratch series and 691 handicap series. The team recorded 980, 1102, 2774 and 3140 across the board.

League standing follows:

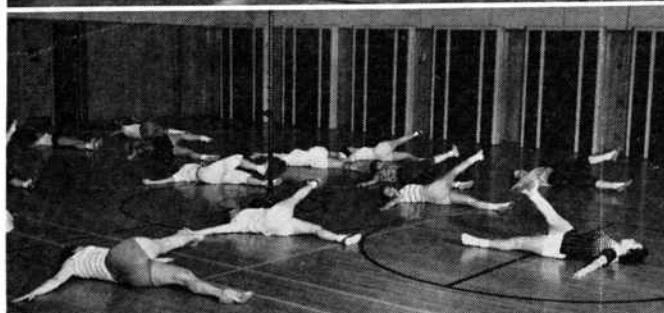
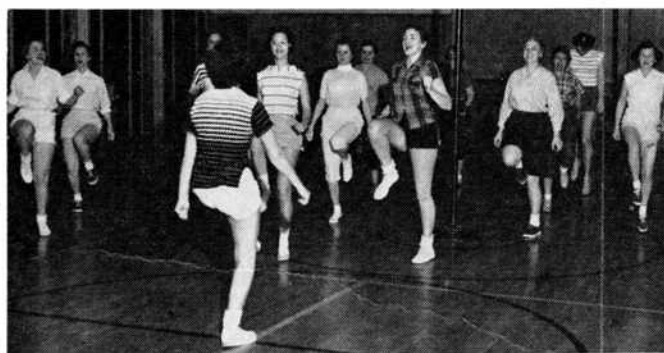
Team	W	L
Playboys	8	0
Swingsters	7	1
Bumpers	6	2
Rippers	5	3
Wasps	5	3
Screwballs	4	4
Has Beens	3	5
Rebels	3	5
Tigers	2	6
All Stars	2	6
Cubs	2	6
Wolves	1	7

Hawks Win Pair In Volleyball Loop

The Hawks won a pair of matches in the Y-12 Volleyball League last week to stay away out in front of the rest of the flock. The Hawk victims were the Hunters, beaten two straight 15-5 and 15-12; and the Beavers, also bumped for two in a row 15-3 and 16-14. The Spliffs got a decision over the Sooners by default.

League standing follows:

Team	W	L
Hawks	20	7
Hunters	11	7
Spliffs	11	7
Beavers	3	12
Sooners	0	18



"BICYCLE RIDING DRILL," standing and then a stretching exercise in a prone position, as shown in the pictures at left, by the Union Carbide Nuclear Company women's physical conditioning class, is intended to provide not only good exercise but also a—ahem—reduction in weight. At right, Evelyn "Fiz" Tucker, of the Y-12 Cafeteria, is comparing before and after poundage on the scales. Looking on at left are Fran Willie, Y-12 Project Engineering, below; and Gloria Arnwine, Oak Ridge National Laboratory, standing. At right are Bonnie Reesor, Y-12 Cashier and Travel Office who conducted the class last week; and Jane Walker, Y-12 Industrial Relations, front, who is helping to cheat "just a little bit" with her finger on the scales. This class, which meets at 7:30 o'clock every Tuesday night at the Woodland School gymnasium, is growing rapidly in popularity and all UCNC women employees are invited to join the group for the fun and exercise offered.



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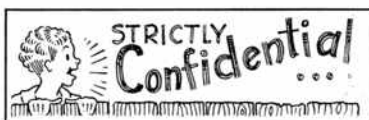


MORE CUTE YOUNGSTERS monopolize the prize winning pictures in the Y-12 Weekly Photographic Contest for the week ending February 22. Alert Karen Brewster, almost 6, daughter of Carl G. Brewster, Medical, was snapped by her daddy as she sizes up the U.S. Army M-1 (Garand) rifle belonging to Pop and with which he has won many target shooting honors. The picture, at top, won first prize. Howard Horne, Maintenance Planning, took second honors with the appealing picture of his two youngsters just taking it easy on the family lawn.

Reactor Is Feature Of Research Center

Continued from Page 1
ing will be shared by the two operating companies and it has been designed to accommodate research and pilot plant operations covering activities from mineralogy and geology to new mineral prospecting methods. This building will be 146 feet long and 98 feet wide. The research and administration building will be two stories high and measure 166 by 178 feet. Any program changes requiring shifts in floor plan can be made by rearrangement of 60 modules. The building also will house the center's cafeteria and library. Union Carbide Nuclear Company already has established temporary research quarters about four miles from the site of the new center. The Union Carbide nuclear research center's site was picked under an agreement with the Sterling Forest Corporation, a subsidiary of City Investing Co., which is planning the development of the scientific center. In this type of development employees of the research organizations will be given the opportunity of living in residential communities planned by the company for the surrounding area.

Approximately 150 persons, including scientists, engineers and metallurgists, will be employed at the new UCC project when it first opens.



Continued from Page 2

W. B. Biddix spent the past week end in Detroit . . . **W. L. Lowry** vacationed last week at home in Knoxville . . . The ailing list—to whom get well wishes are sent—includes **J. W. Dowell**, **G. R. Easter**, **J. B. Cox** and **J. W. Witt**.

FINANCE AND MATERIALS

The Materials Department sends congratulations to **Wilma Deadrick** and her husband on the birth of a daughter February 19 at Oak Ridge Hospital—she is a former departmental employee.

Property wishes a speedy recovery to **Corum Scott**, who has been ill for several weeks.

INDUSTRIAL RELATIONS

Evelyn Allen, Wage Standards, left last Friday to take up the career of motherhood—her husband is **David B. Allen**, of Electrical Engineering . . . Best wishes go along with her from many friends in Y-12.

The Insurance Department sends rapid recovery wishes to **Lib Kibby**, in Baptist Hospital, Knoxville, for minor surgery.

SHIFT SUPERINTENDENTS AND GENERAL UTILITIES

The SS Office group wishes a speedy recovery for their boss, **Dan Rader**, a patient in Oak Ridge Hospital last week.

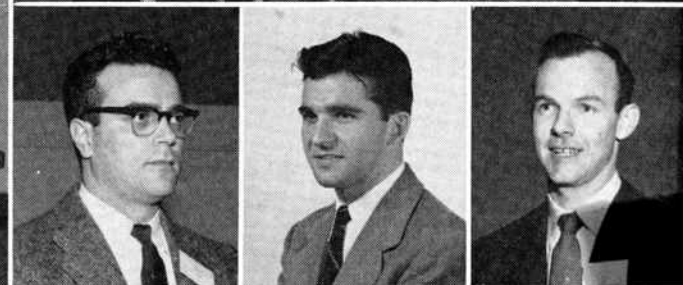
S. F. Fogle, General Utilities, is enjoying the Mardi Gras goings on in New Orleans . . . **N. W. Evans** is out in Oklahoma City . . . **W. S. Everett** made a week-end trip to Ft. Benning, Ga. . . The **R. P. Mann** family now is entirely without tonsils—two sets were removed last week to make a clean sweep.

W. M. Simpson, of the Department for the Manufacture of Steam, is vacationing around home.

ALLOY

Natalie Potter, Alpha Four, and family, are soaking up some good old Southern sunshine this week on trip to Daytona Beach via Charleston, S. C., and Savannah, Ga. . . The folks are glad to see **H. A. Lay** back after a long illness and the Alpha Five neighbors are happy to view the smiling face of **Nell McGinnis**, also gone too long because of sickness . . . **C. J. "Joe" Bowers** is back after a rest at home during vacation. Lots of nuptial news . . . Best wishes to **P. J. Conerly's** daughter, Norma, who was married last Saturday . . . Likewise to **Joyce Myers**, who was married on the same day to **Bobby Powers**, Beta Two—there will be more news and picture on this event soon . . . The former Miss Myers was honoree at a shower given for her by **Jean Vaughan** February 15 when the guests included **Barbara Guettner**, **Nell McGinnis**, **Betty Norris**, **Nancy Stutts**, **Barbara DeMarcus**, **Natalie Potter**, **Mary Scott** and **Helen Gombita**.

With those happy items as a sign-off signal—why don't all of us learn to stop grumbling, because if you can't see any good in the world just keep mum about the bad. At any rate, that's what



MANY Y-12 MEMBERS OF THE AMERICAN WELDING SOCIETY, Northeast Tennessee Section, attended the recent Third Annual Educational Lecture Series. Above right is a picture of the opening lecture meeting and at left is Y-12er **J. Clyde Bowles**, Mechanical Inspection Department Superintendent, the speaker at that session. Below from left are **Peter Patriarca** and **Alfred Taboada**, Oak Ridge National Laboratory Metallurgy Division, both of whom were speakers on the program; and **G. M. Slaughter**, also of ORNL, program chairman for the series.

Knockouts Deliver Kayo To Clippers

The Knockouts handed a kayo punch to the league-leading Clippers last week in the Mixed League of Y-12 Plant men and women bowlers to take three points, but the losers still had a seven-point lead in the loop race when the pins stopped falling. The Scrappers moved into a tie for second place with a gift of four points from the disbanded Alley Cats with an assist from the Nip and Tucks who took three points from the Pin Cats. In the other match of the night the Units whipped the Oleos for three.

J. C. Bryan, of the Clippers, tried his best to keep his team from defeat by taking all individual scoring honors with a 191 scratch and 222 handicap game and 516 scratch and 609 handicap series. The Scrappers rolled for record and posted a 589 scratch and 769 handicap game and 2234 handicap series. The Scrappers and Clippers tied for scratch series at 1694.

League standing follows:

Team	W	L
Clippers	27	5
Scrappers	20	12
Pin Cats	20	12
Knockouts	18	14
Units	17	15
Nip and Tucks	13	19
Oleos	13	19

Sure Shots Shoot To Second Place

The Sure Shots shot themselves into second place in the Evening Shift Bowling League by pinning a three-point loss on the King Pins while the Do Littles downed the Gutter Ballers to increase their loop lead by one point. The Alley Cats and Hot Shots drew with two points each.

Reed, Sure Shots, helped his team along with a 190 scratch game and 526 series. **S. D. Meadows**, Gutter Ballers, had a 233 handicap game and 646 series and was tied for the handicap game high by **Murph**, of the Hot Shots. Although losing, the King Pins had most of the best team scores for the session with an 823 scratch game, boosted to 1041 with handicap, and a 2263 handicap series. The Sure Shots' 2992 handicap series was tops.

League standing follows:

Team	W	L
Do Littles	13	7
Sure Shots	11	9
Gutter Ballers	10	10
Alley Cats	10	10
King Pins	8	12
Hot Shots	8	12

the Hermit of the Hill, **Charlie Smith**, Mechanical Operations, has to say about it.



THAT BIG GRIN on the face of **Tommy Hillard**, Reproduction, above, is over the fine rainbow trout he caught not too many days ago from Dowe Creek, using a spinner. The trout is sure to be a strong contender for honors in the Annual Y-12 Fishing Contest that runs until December 31.

Exercise Class Set For Knoxville Men

Here's good news for Union Carbide Nuclear Company men employees of all three Oak Ridge installations—one of the popular classes in physical exercise conducted by the Recreation Departments of the Company will be formed in Knoxville this week. The first session will be held at 7 o'clock Wednesday night, February 27, at the Fulton High School gymnasium and following meetings at the same time and place weekly if attendance warrants.

The first class will be conducted by **Harold Payne**, Oak Ridge National Laboratory Recreation Supervisor and a former University of Tennessee football luminary.

Fulton High School is located on North Broadway. All Knoxville UCNC men wanting to join the class are urged to turn out on Wednesday nights. Calisthenics, exercises and games will be presented.

'The Barber Of Seville' Coming To Ridge Saturday

The popular and tuneful Rossini opera, "The Barber Of Seville," will be presented to Oak Ridge music lovers at 8:15 o'clock Saturday night of this week, March 2. The production will be staged at the Oak Ridge High School auditorium and will be co-sponsored by the Oak Ridge Civic Music Association and the Oak Ridge Unitarian Church.

Security means safety for all.

Ramblers Remain In B Shift Lead

The Ramblers remained on top of the B Shift Bowling League last week by romping over the Crocodiles for three points. However, a forfeit of four points to the Seven Ups by the disbanded Alley Cats and a live whitewashing of the Bumble Bees by the Challengers tied the winners for second place and cut the Ramblers' lead by one point.

The Ramblers led the pack in team scoring all the way with an 800 scratch and 951 handicap game that increased to a 2133 scratch and 2856 handicap series. **K. D. Thompson**, Ramblers, had the best handicap individual scores of a 229 game and 621 series. **F. J. Kennedy**, another Rambler, posted a 176 scratch game for tops of the night. **J. B. Peters**, Challengers, had a 498 scratch series.

Team	W	L
Ramblers	16	4
Seven Ups	13	7
Challengers	13	7
Bumble Bees	11	9
Crocodiles	7	13

Rides Wanted, Offered

Ride wanted from Morgan Baptist Church, Schaad Road, Knox County, to Bear Creek Portal, C Shift. **S. M. Yelton**, plant phone 7417, home phone 8-4077, Knoxville.

Car pool member wanted from Woodland section, Oak Ridge, to Central Portal, straight day. **L. P. Wynns**, plant phone 7057, home phone 5-1649, Oak Ridge.

Ride wanted or will join car pool from 204 East Sheridan Place, Oak Ridge, to Central Portal, straight day. **A. B. Daffin**, plant phone 7230, home phone 5-1475, Oak Ridge.

Car pool member wanted from Woodland section, Oak Ridge, to North Portal, straight day. **Floyd Stanek**, plant phone 7668, home phone 5-6269, Oak Ridge.

Ride wanted from North Hills, Knoxville, to Central Portal, straight day. **Fred Clark**, plant phone 7-8261, home phone 5-8297, Knoxville.

Riders wanted from LaFollette to any portal, straight day. **C. T. Russell**, plant phone 7946, home phone 1218, LaFollette.

Two riders wanted from Clinton to any portal, straight day. **Grady Bennett**, plant phone 7-8434, home phone 1091-W, Clinton.

Car pool members wanted from vicinity Highland View School, West Outer Drive or Pennsylvania Ave., Oak Ridge, to North Portal, straight day. **J. M. McMaster**, plant phone 7-8321, home phone 5-3742, Oak Ridge.